

ABSTRACT OF THE DISCLOSURE

~~To provide~~ The invention provides an optical filter, an optical device, and a projector, which make it possible to project a high-quality image by reducing or preventing color unevenness of the projected image. An optical ~~filter-500~~ filter is used in a projector ~~comprising that includes~~ liquid crystal panels ~~for modulating to modulate~~ light beams from a light source (lamp) in accordance with image information to form optical images. The optical ~~filter-500~~ filter is disposed downstream from the liquid crystal panels in a light path, and ~~comprises includes a substrate-510~~ substrate and an optical conversion ~~film-520~~ film. The optical conversion ~~film-520~~ film is disposed on a light-incident surface of the ~~substrate-510~~ substrate and ~~comprises includes~~ two types of thin films ~~521 and 522~~ having different refractive indices and being alternately stacked. The optical conversion ~~film-520~~ film becomes continuously thinner from one ~~end 520A~~ end to the other ~~end 520B~~ end of the optical conversion ~~film-520~~ film, so that it is inclined with respect to the ~~substrate-510~~ substrate. Since the optical conversion ~~film-520~~ film becomes continuously thinner, it is possible to project a high-quality image by reducing or preventing color unevenness of the projected image.